


Please type a plus sign (+) inside this box → 

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 112056-0126D1

First Inventor Steven R. Kleiman et al.

Title A METHOD FOR WRITING CONTIGUOUS ARRAYS OF STRIPES IN A RAID STORAGE SYSTEM

Express Mail Label No. EV 335 586 690 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 53]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 11]
5. Oath or Declaration [Total Pages 14]
 - a. ☐ Newly executed (original or copy)
 - b. ☒ Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Mail Stop Patent Application
Commissioner for Patents
Box 1450
Alexandria, VA 22313-1450

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement ☒ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP)

of prior application No: 10 / 105,034

Prior application information: Examiner Nguyen, Than Vinh

Group / Art Unit: 2187

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label



24267

PATENT TRADEMARK OFFICE



or ☐ Correspondence address below

| | | | | | |
|---------|--|-----------|----------------|----------|----------------|
| Name | A. Sidney Johnston | | | | |
| Address | Cesari and McKenna 88 Black Falcon Avenue | | | | |
| City | Boston | State | MA | Zip Code | 02210 |
| Country | U. S. A. | Telephone | (617) 951-2500 | Fax | (617) 951-3927 |

| | | | |
|-------------------|--------------------|-----------------------------------|---------------|
| Name (Print/Type) | A. Sidney Johnston | Registration No. (Attorney/Agent) | 29,548 |
| Signature | | Date | April 2, 2004 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|--------------------------------|---|-----------------------------|
| In Re The Application of: |) | |
| Steven R. Kleiman et al. |) | |
| |) | |
| Serial No.: Not Yet Assigned |) | Examiner: 2187 |
| |) | |
| Filed: April 2, 2004 |) | |
| |) | Art Unit: Nguyen, Than Vinh |
| For: A METHOD FOR WRITING CON- |) | |
| TIGUOUS ARRAYS OF STRIPES |) | |
| IN A RAID STORAGE SYSTEM |) | |
| |) | |
| | | Cesari and McKenna, LLP |
| | | 88 Black Falcon Avenue |
| | | Boston, MA 02210 |
| | | April 2, 2004 |

EXPRESS-MAIL DEPOSIT

“Express Mail” Mailing-Label Number: EV 335 586 690 US

The following papers are being deposited with the United States Postal Service
“Express Mail Post Office to Addressee” service pursuant to 37 C.F.R. §1.10:

| | |
|--|---|
| <u>X</u> Patent Application (53 pages including 43 claims) | |
| <u>X</u> Power of Attorney (copy from parent) | <u>X</u> Oath or Declaration (copy from parent) |
| <u>X</u> Fee Transmittal Letter | <u>X</u> Informal Drawing (11 sheets) |
| <u>X</u> Check for \$1,028.00 | <u>X</u> Preliminary Amendment |
| <u>X</u> Assignment with Recordation Form | <u>X</u> Utility Patent Application Transmittal |
| Cover sheet (copy from parent) | Letter |
| <u>X</u> Revocation and Power of Attorney (copy from parent) | |



16085

US PTO

Patent and Trademark Office/SB/17 (10-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant Claims Small Entity Status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,028

Complete if Known

| | |
|----------------------|--------------------------|
| Application Number | Not Yet Assigned |
| Filing Date | April 2, 2004 |
| First Named Inventor | Steven R. Kleiman et al. |
| Examiner Name | 2187 |
| Group Art Unit | Nguyen, Than Vinh |
| Attorney Docket No. | 112056-0126D1 |

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money ☐ Other ☐ None
☒ Deposit Account OrderDeposit
Account
Number

03-1237

Deposit
Account
Name

Cesari and McKenna, LLP

The Commissioner is authorized to: (check all that apply)
Charge any deficiency or☐ Charge fee indicated below ☒ Credit any overpayments
☐ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity/Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|--------------|----------|----------|----------|------------------------|----------|
| 1001 | 750 | 2001 | 375 | Utility filing fee | 770 |
| 1002 | 330 | 2002 | 165 | Design filing fee | |
| 1003 | 520 | 2003 | 260 | Plant filing fee | |
| 1004 | 750 | 2004 | 375 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | 770 |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Extra Claims | Fee from Claims below | Fee Paid |
|--------------------|--------------|-----------------------|----------|
| 19 | 20** | 0 | 0 |
| Independent Claims | 6 | 3** | 258 |
| Multiple Dependent | | | 0 |

Large Entity/Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description |
|----------|----------|----------|----------|---|
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 84 | 2201 | 42 | Independent claims in excess of 3 |
| 1203 | 280 | 2203 | 140 | Multiple dependent claim, if not paid |
| 1204 | 84 | 2204 | 42 | **Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 258

**or number previously paid, if greater; For Reissues, see below

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity/Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|----------|----------|----------|----------|--|----------|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English Specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination | |
| 1804 | 920 | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840 | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 410 | 2252 | 205 | Extension for reply within second month | |
| 1253 | 930 | 2253 | 465 | Extension for reply within third month | |
| 1254 | 1,450 | 2254 | 725 | Extension for reply within fourth month | |
| 1255 | 1,970 | 2255 | 985 | Extension for reply within fifth month | |
| 1401 | 320 | 2401 | 160 | Notice of Appeal | |
| 1402 | 320 | 2402 | 160 | Filing a brief in support of an appeal | |
| 1403 | 280 | 2403 | 140 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,300 | 2453 | 650 | Petition to revive - unintentional | |
| 1501 | 1,300 | 2501 | 650 | Utility Issue fee (or reissue) | |
| 1502 | 470 | 2502 | 235 | Design Issue fee | |
| 1503 | 630 | 2503 | 315 | Plant Issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 | 750 | 2809 | 375 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 | 750 | 2810 | 375 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 | 750 | 2801 | 375 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |

Other fee (specify)

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0

SUBMITTED BY

Complete (if applicable)

| | | | | | |
|-------------------|--------------------|-----------------------------------|--------|-----------|----------------|
| Name (Print/Type) | A. Sidney Johnston | Registration No. (Attorney/Agent) | 29,548 | Telephone | (617) 951-2500 |
| Signature | | | | Date | April 2, 2004 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OF COMPLETED FORMS TO THIS